

AMENDMENTS TO THE CLAIMS

1. (Cancelled)

2. (Currently Amended) A process for producing a solid catalyst component for a transition metal complex or a solid catalyst containing a transition metal complex comprising, in a washing step in the production of a solid catalyst component for a transition metal complex or a solid catalyst containing a transition metal complex, a step for removing ~~a fine powdery component and/or a shapeless component by removing a slurry-form portion before the completion of sedimentation of a fine powdery component and/or a shapeless component~~ a slurry-form portion at a point in time at which an interface between a layer of precipitated solid component and an upper layer of a layer of slurry-form portion becomes visible.

3. (Cancelled)

4. (Previously Presented) The process according to claim 2, wherein the solid catalyst component for a transition metal complex or the solid catalyst containing a transition metal complex is a modified particle obtained by contacting the following (a), the following (b), the following (c) and a particle (d):

(a): a compound represented by the following general formula

[1]:



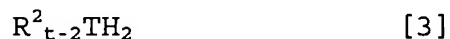
(b): a compound represented by the following general formula

[2]:



(c): a compound represented by the following general formula

[3]:



wherein in the above formulae [1] to [3], M^1 represents a metal atom in the groups I, II, XII, XIV or XV in The Periodic Table, and m represents a valence of M^1 ; L^1 represents a hydrogen atom, a halogen atom or a hydrocarbon group, and in the case where plural L^1 s exist, they may be the same or different; R^1 represents an electron attractive group or a group containing an electron attractive group, and in the case where plural R^1 s exist, they may be the same or different; R^2 represents a hydrocarbon group or a halogenated hydrocarbon group; T represents, independent of each other, an atom in the groups XV or XVI in The Periodic Table, and t represents a valence of T.

5. (Cancelled)

6. (Previously Presented) The process according to claim 2, wherein the solid catalyst component for a transition metal complex or the solid catalyst containing a transition metal complex is a modified particle obtained by contacting an aluminoxane (f) and a particle (d).

7. (Cancelled)

8. (Previously Presented) The process according to claim 2, wherein the solid catalyst component for a transition metal complex or the solid catalyst containing a transition metal complex is a modified particle obtained by contacting an aluminoxane (f) a particle (d) and a transition metal component (g).

9. (Cancelled)

10. (Previously Presented) A solid catalyst component for a transition metal complex or a solid catalyst containing a transition metal complex obtained by the process according to claim 2.

11. (Cancelled)

12. (Previously Presented) A process for producing an addition polymer which comprises polymerizing an addition polymerizable monomer using the solid catalyst component for a transition metal complex or the solid catalyst containing a transition metal complex according to claim 10.